

Features

- ON/OFF controller
- Single Channel
- Universal Input
- Open Sensor Indication
- Software Calibration
- Cold junction Compensation for thermocouple input
- 0.8" Seven Segment LED Display



Description

Electronet Series DPC-808 is universal input Process Indicator / Controller specially designed for various industrial applications. These can be used for monitoring and controlling parameters like Temperature, Humidity, Pressure, Flow, Level etc. The measuring range and control points are settable through the keypad on front fascia and control output is available at the rear terminals. Low cost design in compact size with large display height is additive feature of DPC-808.

Technical Specifications

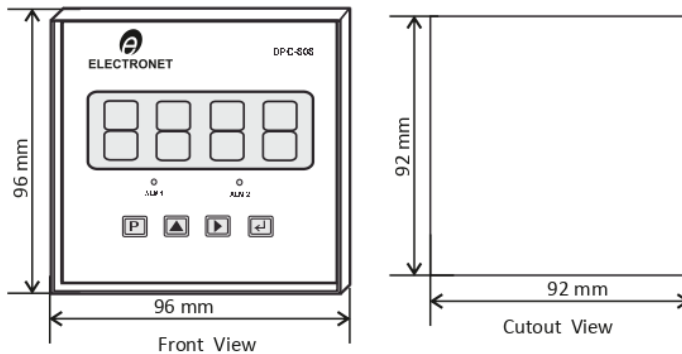
Performance Characteristics	
Type of Control	ON / OFF
No. of Input	01 No.
Input	1) Universal 2) RTD (PT-100 / PT-200) 2 or 3 Wire 3) Thermocouple (J / K / R / S / T / B / E Type) 4) Current (0-20 mA / 4-20 mA) 5) Voltage (0-5 V DC / 0 - 0.1V DC)
Display	4 x 1 Digit, 0.8", 7 Segment Red LED
Range	1) Programmable for mA & Voltage (-999 to +9999) 2) Fixed for all types of RTD & Thermocouple
Accuracy	1) For R, S & B type Thermocouple, better than $\pm 0.5\%$ of F. S. 2) For rest inputs, better than $\pm 0.25\%$ of F. S.
Open Sensor Indication	'OPEN' on display for RTD & TC input
Power Supply	1) 90 - 250 V AC 2) 24 V DC (+/- 10%)
Power Consumption	< 10 VA
Temperature Drift	< 0.01% of F. S. per °C change
Response Time	< 200 mSec
MOC Electronics Enclosure	1) DIN Standard 2) Weather Proof IP 66 3) Flame Proof CMRI Certified
Bazel Size	1) 96 (H) x 96 (W) x 160 (D) in mm approx. for DIN STD. Enclosure 2) 48 (H) x 96 (W) x 160 (D) in mm approx. for DIN STD. Enclosure
Mounting	Flush of the Panel for DIN std & wall mount for WP / FLP enclosure
Weight	500 gms. (Approx.) for 48 X 96, Less than 1 Kg for 96 X 96
Operating Conditions	Temperature -20 to 55 °C / Humidity 5 to 95% non condensing
OPTIONAL	
Transmitter Power Supply	24 V DC 30 mA, 24 V DC 100 mA
Retransmission Output	4 - 20 mA / 0 - 5 V, Isolated
Alarm Output	Potential free Relay Contact - 2 Nos. (1 c/o, 1A @ 230 V AC) Configurable for high & low
Communication Port	RS485 / RS232 with MODBUS RTU Protocol

DPC 808

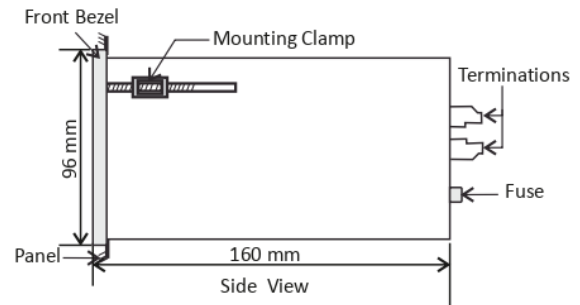
UNIVERSAL INPUT PROCESS INDICATOR



Assembly Overview



Installation Drawing



Ordering Information

Sample Order Code : DPC-808-A1-B1-C1-D1-E1-F1-G1-H1

Parameter		Code	Description
A	Electronics Enclosure	A1	DIN Standard
		A2	Field Mount IP-65
		A3	Flameproof (CMRI IIA, IIB Certified)
B	Bazel Size	B1	48 mm X 96 mm
		B2	96 mm X 96 mm
C	Input Power Supply	C1	90 - 250 V AC
		C2	24 V DC (+/- 10%)
D	Input 1	D1	4 to 20mA
		D2	0 to 5V
		D3	1 to 5V
		D4	RTD
		D5	Thermocouple
		D6	Current
		D7	Voltage
		D8	Universal
		DY	Other

Parameter		Code	Description
E	Output 1	E1	4 to 20 mA
		E2	0 to 5V
		EX	NA
F	Alarm or Relay Output	F1	1 Relay Output
		F2	2 Relay Output
		FX	NA
G	Transmitter Power Supply	G1	24 V DC 100 mA
		G2	24 V DC 30 mA
		GX	NA
H	Communication Output 1	H1	RS485 (MODBUS RTU)
		HX	NA
Note : - Due to our continuous product revisions, design specification and model numbers are subject to change without notice. - Accuracy defined at Lab Conditions. - For other requirement please consult factory. - Sensor & other accessories to be ordered separately. - This product is meant for laboratory/Process application only and not for custody transfer application.			

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